Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	
P0038993	THY001- VC	5	1	Net 30		6061-T651 Sheet 0.3125"" Thick Plate x 6.250"" Wide				12	2/14/2018	12		S043121	Stock	2/16/2018	\$ 12.40 / ft	0	
L			_						Total:	12		12							

Plex 2/16/2018 8:56 AM Dart. Dubois. Pascal



thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

DELIVERY NOTE

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7

DATE:

02/16/2018

DOC. NO:

2405750668*

BOL. NO:

2405750668

ORDER NO:

1403522958

YOUR P/O:

038993

CUSTOMER NO:

10058125

Route:

303UA

CONTACT:

Stan Ivers

TEL:

905-532-1350 ext 21350

FAX: EMAIL: 905-738-9033 ext 9033

STAN.IVERS@THYSSENKRUP

P.COM

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

DESCRIPTION NET QTY1 / QTY2 PACKAGE NO 0010 ALFLR74857 6061 Aluminum T651 Plate 0.31200 X Width 6.2500 + .125/-.000 X Length 144.5000

1 PC 1008286744 27 lb

Plate Sawing - Standard

Actual Chemistry/Act. Physical

Standard Packaging

TAGNUM QTY

1013520521 1

PCS

UOM VEND

VENDPO

HLOT

X51665

Total Gross Weight 29.000 lb

All items, not declared as partial delivery, are final quantities. Delivery Terms: PPD gem. Incoterms 2000 Prepaid TRANSFER TRUCK

PC

thyssenkrupp Materials NA 22355 W 11 Mile Road Southfield, MI 48033



thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

DELIVERY NOTE

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7

DATE:

02/16/2018

DOC. NO:

2405750668*

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1403522958

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TEL:

905-532-1350 ext 21350

FAX:

905-738-9033 ext 9033

EMAIL:

STAN.IVERS@THYSSENKRUP

P.COM

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

Tel (613) 632-5200

PURCHASE ORDER PO038993

Supplier:

Ship To:

THY001-VC

Thyssenkrupp Materials CA Ltd O/A VPK Metal- c/o T27540 PO Box 4275, Postal"A"

Toronto ON

M5W 5V8 Canada Phone: 905 669 9444 Fax: 905 738 9033

1270 Aberdeen Street

Hawkesbury ON

PO No: PO Date:

Due Date:

PO038993

2/8/18

2/14/18

Purchase Order Revision:

Revision Date:

Lavoie, ChantalPhone: Ship-To Contact:

clavoie@dartaero.com

Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: quote no. 1202990461

	ON K6A 1K7 Canada	а								
	Phone: 613-632-	5200	Ite	ems					Unit	Extende
		Supplier	- Ainm	Status	Due Date	Order Quantity	Received Quantity		Price (CAD)	Price \$57.6
ine	Part	Part No	Description 125		2/14/18	80 ft	0 ft	80 ft	\$0.72/10	
em 1	M6061T6B00750X00.125		6061-T6 Bar .750 X .125 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160	Filmed	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		&C	F	EB 15 2018 DAS 11 9-89	l
			OR ASTM B211 OR ASTM B221 receive ft 6061-T6 Bar 1.00 X 12.00	Firmed	2/14/18	12 ft	0 ft	12 ft	-07.00/#	\$446.
2	M6061T6B1.000X12.000		: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							¢225
3	M6061T6B1 500X04.000		receive ft 6061T6 Bar 1.500 X 4.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62		2/14/18	12 ft	0 ft	12 ft	\$18.78/ft	3223 .
			ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				17		FEB 15 20 DAS 11 9-89	

				ems					Unit	Extende
		Supplier		Due		Order	Received	Balance	Price (CAD)	Price
ine tem	Part	Part No	Description	Status				12 ft	\$22.26/ft	\$267.1
	M6061T6B2.000X03.500		6061-T6 Bar 2.00 X 3.50 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221		2,,,,,,					
			receive ft 6061-T651 Sheet 0.3125"	Firmed	2/14/18	12 ft	0 ft	12 ft	\$12.40/ft	\$148.8 DAS
5	M6061T6S0.3125X6.250	T6S0.3125X6.250 6061-1651 Sheet 0.3125 Thick Plate x 6.250" Wide				12			1 6 2018	11 11 11 11 11 11 11 11 11 11 11 11 11

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 2/9/18 11:07 AM dart.lavoie.chantal



Thussenkrupp Malerials NA, 2821 Langslaff Road, Concord, ON, L4K 5C6

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 Canada

TEL: 613-632-5200 FAX: 613-632-5246 QUOTE

DATE: QUOTE NO: YOUR INQUIRY:

YOUR INQUIRY: ATTENTION TO: TEL:

CUSTOMER NO: DEPARTMENT: CONTACT:

TEL: FAX: EMAIL: 02/05/2018 **1202990461**

CHANTAL LAVOIE

613-632-5200 10058125 CAN TOR INS 01

Teresa Volpe

Teresa.Volpe@thyssenkrupp.c

PAGE 1 OF 4

Thank you for allowing us to quote on your requirement. Delivery contingent upon date ordered.

DART AEROSPACE LTD, 1270 ABERDEEN ST, HAWKESBURY, ON K6A 1K7, CANADA Unloading Point: UNLOAD POINT 1

ITEM	DESCRIPTION	QTY1 QTY2 QTY3	UOM	PRICE PEF	CUR	TOTAL CAD
0010	ALFLR01588 2024 Aluminum T3 Sheet 0.12500 (+0035) X Width 48.0000 (+125) X Length 144 (+125) ASTM B209 2014 ROHS COMPLIANT SAE AMS 4037 Q SAE AMS-QQ-A-250/4B 2015 Nominal Chemistry/Act Physical Standard Packaging Delivery.Date: 03/08/2018		PC	491.01 1	PC	982.02
0020	ALREC00246 6061 T6511 Aluminum Extruded Rectangular 0.37500 (+008) X 2.5000 (+024) X 144 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act	1 12 13.236	FT		CAD FT	65.04
0030	Physical Standard Packaging Delivery Date: 02/08/2018 ALFLR74857 6061 Aluminum T651 Plate 0.31200 X Width 6.2500 +.125/000 X Length 144.5000 Plate Sawing - Standard Actual Chemistry/Act. Physical Standard Packaging Delivery Date: 02/09/2018	1 F 27.614 L		155.00	CAD PC	155.00



QUOTE

thyssenkrupp Materials NA 2821 Langslaff Road, Concord, ON L4K 5C6

DATE: QUOTE NO: YOUR INQUIRY: 02/05/2018 **1202990461**

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 Canada YOUR INQUIRY:

CHANTAL LAVOIE

TEL:

613-632-5200

PAGE 2 OF 4

				TOTAL
ITEM	DESCRIPTION	QTY1 UOM QTY2 UOM QTY3 UOM	PRICE CUR PER UOP	CAD
112		4 PC	0.72 CAD	57.60
0040	ALREC00778 6061 T6511 Aluminum Extruded Rectangular 0.12500 (+007) X 0.7500 (+010) X 240 Mill	80 FT 8.800 LB	1 FT	
	Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical			
0050	Standard Packaging Delivery Date: 02/08/2018 ALREC13956	1 PC 12 FT	37.22 CAD 1 FT	446.64
0050	6061 T6511 Aluminum Extruded Rectangular 1.00000 X 12.0000 X 144 Mill Length Nominal Chemistry/Act Physical Standard Packaging	169.344 LB		
	Delivery Date: 02/08/2018	1 PC	25.87 CAD 1 FT	310.44
0060	ALREC00191 6061 T6511 Aluminum Extruded Rectangular 1.00000 (+012) X 8.0000 (+054) X 144 Mill	12 FT 112.896 LB	1 71	
0070	ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 ALREC35126	1 PC 7.958 FT	130.28 CAD 1 FT	1,036.77
	6061 T6511 Aluminum Extruded Rectangular 3.00000 X 14.0000 X 95.5000 Mill Length Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 OFFERING. ITEM REQUESTED NOT AVAILABLE/ SUBJECT TO PRIOR SALE	393.078 LB		



QUOTE

thyssankrupp Materials NA, 2821 Langstaff Road, Concord, ON, L4K, SC6

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 Canada DATE:
QUOTE NO:
YOUR INQUIRY:
ATTENTION TO:

02/05/2018 **1202990461**

CHANTAL LAVOIE 613-632-5200

TEL:

PAGE 3 OF 4

,			TOTAL
DESCRIPTION	QTY1 UOM QTY2 UOM	PRICE CUR PER UOP	CAD
		18 78 CAD	225.36
ALREC00630 6061 T6511 Aluminum Extruded Rectangular 1.50000 (+014) X 4.0000 (+034) X 144 Mill Length	12 FT 84.672 LB	1 FT	
AMS-QQ-A-200/8 1997 Nominal Crieffish y/7 loss Physical Standard Packaging Delivery Date: 02/08/2018	4 PC	18.17 CAD	872.16
ALREC00023 6061 T6511 Aluminum Extruded Rectangular 1.00000 (+012) X 6.0000 (+044) X 144 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act	48 FT 338.688 LB	1 FT	
Standard Packaging Delivery Date: 02/08/2018 ALREC00245 6061 T6511 Aluminum Extruded Rectangular 3.00000 (+024) X 6.0000 (+044) X 48 RBW Cutting - Standard +.125/000 Cut To Length 48.0000 " 1 ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/09/2018	1 PC 4 FT 84.672 LB	64.55 CAD 1 FT	258.20
	1.50000 (+014) X 4.0000 (+034) X 144 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 ALREC00023 6061 T6511 Aluminum Extruded Rectangular 1.00000 (+012) X 6.0000 (+044) X 144 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 ALREC00245 6061 T6511 Aluminum Extruded Rectangular 3.00000 (+024) X 6.0000 (+044) X 48 RBW Cutting - Standard +.125/000 Cut To Length 48.0000 "1 ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging	ALREC00630 6061 T6511 Aluminum Extruded Rectangular 1.50000 (+014) X 4.0000 (+034) X 144 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 ALREC00023 6061 T6511 Aluminum Extruded Rectangular 1.00000 (+012) X 6.0000 (+044) X 144 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 ALREC00246 6061 T6511 Aluminum Extruded Rectangular 3.00000 (+024) X 6 0000 (+044) X 48 RBW Cutting - Standard +.125/000 Cut To Length 48.0000 " 1 ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Cutton - Standard +.125/000 Cut To Length 48.0000 " 1 ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/09/2018	ALREC00630 6061 T6511 Aluminum Extruded Rectangular 1.50000 (+014) X 4.0000 (+034) X 144 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 ALREC00023 6061 T6511 Aluminum Extruded Rectangular 1.00000 (+012) X 6.0000 (+044) X 144 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 ALREC00245 6061 T6511 Aluminum Extruded Rectangular 3 00000 (+024) X 6.0000 (+044) X 48 RBW Cutting - Standard + .125/000 Cut To Length 48 0000 " 1 ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/08/2018 ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Delivery Date: 02/09/2018



4,676.35

4,676.35

5,284.29

607.94

QUOTE

thyssenkrupp Materials NA, 2821 Langstatt Road, Concord, ON, L4K, SC6

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 Canada DATE:
QUOTE NO:
YOUR INQUIRY:
ATTENTION TO:

02/05/2018 **1202990461**

CHANTAL LAVOIE 613-632-5200

TEL:

PAGE 4 OF 4

ITEM	DESCRIPTION	QTY1 QTY2 QTY3	UOM UOM UOM	PRICE CUR PER UOP	TOTAL CAD
0110	ALREC00692 6061 T6511 Aluminum Extruded Rectangular 2.00000 (+024) X 3.5000 (+024) X 144 RBW Cutting - Standard +.125/000 Cut To Length 144.0000 " 1 ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act	1	PC FT	22.26 CAD 1 FT	267.12

Physical
Standard Packaging
Delivery Date: 02/09/2018

1,506.600 LB

Weight total
Items total
Net Amount
GST
TOTAL

Payment Terms:

Within 30 days without deduction

Delivery Terms:

PPD (gem. Incoterms 2000) PREPAID

Shipping Condition:

General Delivery

COMPUTER GENERATED OFFER AND VALID WITHOUT SIGNATURE.

Please review the above items for accuracy.
Prices are quoted as price in effect at time of shipment.
Our standard terms and conditions apply should this quote become an order.

For terms and conditions please refer to website at http://www.lkmna.com/ikmna/Resources/CustomerService/index.html

For terms and conditions please refer to website of industrial delivery documentation at the time of receipt.

Any obvious damage must be noted on the material delivery documentation must be forwarded to credit department prior to order approval. Tax exemption status documentation must be forwarded to credit department prior to order approval. All returned material subject to restock charge.



Ibysseokrupp Malerials NA 2821 Langslaff Road, Concord, ON 14K 5C6

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 Canada

TEL: 613-632-5200 FAX: 613-632-5246

ORDER CONFIRMATION

DATE: ORDER NO: 02/09/2018 1403522958 *

YOUR P/O: ATTENTION TO: 038993 dtd 02/05/2018 CHANTAL LAVOIE

TEL:

613-632-5200 10058125

CUSTOMER NO:

CAN TOR INS 01

DEPARTMENT: CONTACT:

Stan Ivers

TEL: FAX: EMAIL: 905-532-1350 ext -21350 905-738-9033 ext 9033 STAN.IVERS@THYSSENKRU

PP.COM

* please state on all documents

We thank you for your order which we confirm as follows:

DART AEROSPACE LTD, 1270 ABERDEEN ST, HAWKESBURY, ON K6A 1K7, CANADA Unloading Point: UNLOAD POINT 1

		QTY1 UOM	PRICE CUR	TOTAL
ITEM	DESCRIPTION	QTY2 UOM QTY3 UOM	PER UOP	
		1 PC	155.00 CAD	155.00
0030	ALFLR74857 6061 Aluminum T651 Plate 0.31200 X Width 6.2500 + .125/000 X Length 144.5000 Plate Sawing - Standard Actual Chemistry/Act. Physical Standard Packaging Order Number: 038993	27.614 LB	1 PC	
	Delivery Date: 02/16/2018			25.00
	Energy Surcharge			180.00
	Item total:			
0040	ALREC00778 6061 T6511 Aluminum Extruded Rectangular 0.12500 (+007) X 0.7500 (+010) X 240 Mill Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Order Number: 038993 Delivery Date: 02/14/2018	4 PC 80 FT 8.800 LB	0.72 CAD 1 FT	57.60



ORDER CONFIRMATION

Ibyssenkrupp Materials NA, 2821 Langstaff Road, Concord, ON, L4K 5C6

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 Canada

DATE: ORDER NO: YOUR P/O: ATTENTION TO:

TEL:

02/09/2018 1403522958 * 038993 dtd. 02/05/2018 CHANTAL LAVOIE

613-632-5200 • please state on all documents

PAGE 2 OF 3

				TOTAL
ITEM	DESCRIPTION	QTY1 UOM QTY2 UOM QTY3 UOM	PRICE CUR PER UOP	CAD
0050	ALREC13956 6061 T6511 Aluminum Extruded Rectangular 1.00000 X 12.0000 X 144 Mill Length Nominal Chemistry/Act Physical	1 PC 12 FT 169.344 LB	37.22 CAD 1 FT	446.64
0800	Standard Packaging Order Number: 038993 Delivery Date: 02/22/2018 ALREC00630 6061 T6511 Aluminum Extruded Rectangular 1.50000-(+014) X 4.0000 (+034) X 144 Mill	1 PC 12 FT 84.672 LB	18.78 CAD 1 FT	225.36
)110	Length ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Order Number: 038993 Delivery Date: 02/14/2018 ALREC00692 6061 T6511 Aluminum Extruded Rectangular 2.00000 (+024) X 3.5000 (+024) X 144 RBW Cutting - Standard +.125/000 Cut To Length 144.0000 " 1 ASTM B 221 2014 ROHS COMPLIANT SAE AMS-QQ-A-200/8 1997 Nominal Chemistry/Act Physical Standard Packaging Order Number: 038993	1 PC 12 FT 100.800 LB	22.26 CAD 1 FT	267.12
	Delivery Date: 02/20/2018 Weight total Items total Net Amount GST TOTAL	391.230 LB		1,176.72 1,176.72 152.98 1,329.70



ORDER CONFIRMATION

thyssenkrupp Materials NA, 2821 Langstaff Road, Concord, ON, L4K 5C6

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7 Canada DATE:
ORDER NO:
YOUR P/O:
ATTENTION TO:

02/09/2018 1403522958 * 038993 dtd 02/05/2018 CHANTAL LAVOIE 613-632-5200

TEL:

* please state on all documents

PAGE 3 OF 3

Payment Terms:

Within 30 days without deduction

Delivery Terms:

PPD (gem. Incoterms 2000) TRANSFER TRUCK

Shipping Condition:

General Delivery

Please review the above items for accuracy.

Prices are quoted as price in effect at time of shipment.

Our standard terms and conditions apply should this quote become an order.

For terms and conditions please refer to website at http://www.tkmna.com/tkmna/Resources/CustomerService/index.html

For terms and conditions please refer to website of the material delivery documentation at the time of receipt.

Any obvious damage must be noted on the material delivery documentation must be forwarded to credit department prior to order approval. Tax exemption status documentation must be forwarded to credit department prior to order approval. All returned material subject to restock charge.



Aerospace and Transportation Constellium Valais SA Route des Laminoirs CH-3960 Sierre

INSPECTION CERTIFICATE

According To

EN 10204-3.1

Disp. Advice / Cert Dated 26/07/2017 0080309109 Page 1/1

Your Order

PEC-282714

Terry Thomas

Project

Dated

12/04/2017

Our Confirmation No.

167142-30

Customer No.

607728

Sales Contact

Monique Bérard ++41 27 457 6432

Certificate Dpt:

41 27 457 66 92

ALUMINIUM PLATÉ IN 6061 T651 MILL FINISH According to AMS4027N

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CA Ł4K 5C6 CONCORD

Your article :

Rolling lot

X51665

Production N

Weight 6290767 6499.12 Lbs

Quantity

Dimensions 29 0.312" x 48.50" x 144.50"

Mechanical and technological properties

The indicated values are in ksi for UTS and YS and % for A

Lot-sample min-max min-max	Temper T651	UTS/T >=42	YS 0.2%/T >=35	A2" >=10	# #4.		7 9 9 9 9 9	1,17121		
Measured value	S						·		-	
X51665-2	T651	46.4	41.6	16						
X51665-4	T651	46.0	41.2	17						

Chemical composition

The indicated values are in % by weight

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	a and	T
Min	0.40		0.15		0.8	0.04				1	
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.05	0.25	0.15		

Analysis results with test method based on EN14726, ASTM E1251 and ASTM E1621

71491381 0.68 0.4 0.01 0.20 <0.01 0.07 0.01

Other elements are compliant to the requirement: Each <= 0.05% Total <= 0.15%

Remark

Product conforms to AMS4027N.

Technical characteristics of this product do also comply with

ASTM B209-14) ASTM B209M-14 and former AMS-QQ-A-250/11 rev.A

Casting and heat treatment of the referenced lot has been performed by Constellium Valais SA, Switzerland

A. Thurre (WSV-4)

Quality Plates

Valid without signature

Management System certified ISO 9001 / ISO 14001 / OHSAS 18001

Definition of abbreviations on demand

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M600				6.250		PO / BATCH	1 NO. <u>03899</u>	23 /		
DATE:	B 1	6 20	110	_				/		
MATERIAL CERT REC'D:	es			_			RED: 0.31	25		
QUANTITY RECEIVED:	7"		THICKNESS RECEIVED: 0.3127							
QUANTITY INSPECTED: 17	("			SI	HEET	SIZE ORDE	RED: 1//	A		
QUANTITY REJECTED:				9						
					mana a a a a a a a a a a a a a a a a a a					
DESCRIPTION	(Cr	CR leck (N)				COMMEN	TS			
SURFACE DAMAGE	Y	I(N)								
CORRECT FINISH	(Y)	N								
CORROSION	Y	(N)								
CORRECT GRAIN DIRECTION	(Y)	N								
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTW	1 13209						
CORRECT THICKNESS	(Y)	N		1			4. 3 10 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			
PHOTO REQUIRED	Y	(N)	. 1							
CORRECT REF # TO LINK CERT	(Y)	N	Hest	4X516	65					
ORRECT MATERIAL IDENTFICATION	(Y)	N								
CORRECT M# ON THE MATERIAL	(Y)	N								
DOES THIS MATERIAL REQUIRE		00								
ENGINEERING SIGN OFF	Υ	(N)								
DOES THIS REQUIRE AN		0								
EXTRUSION REPORT	Υ	(N)								
CUT SAMPLE PIECE						HARDNE	SS CHECK.			
	-			ULTS BELO	DW.					
YPE OF MATERIAL			HRC	HRB	+	DUR A	DUR D	WEBSTER		
ZE OF TEST SAMPLE	-				+					
ARDNESS / DUROMETER READIN	اما				+					
TOTALOG / DONOWIETEN READII		ctore	loopted i-	the Ouellt o	6 610 -					
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QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:_	DAS	SIGNED OFF BY:
DATE:	9-3FEB 1 6 2018	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET SPECIFICATION:

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QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209

WHERE "XXX" = SHEET THICKNESS (IN INCHES) M6061T6S XXX

PART NUMBER:

EG. 0.063" THICK SHEET = M6061T6S.063 .XXX BY 4FT BY 8FT

PREFERRED SIZE:

B REFORMAT DWG, ADD 8209 SPEC (ZN D8-1). TITLE NO SHEET SPEC NIS

6061-T6 SHEET SPEC NIS

COPPRIGHT 9 999 IN TO ART JERGEPLOE LTD

MISCONDERS SERVE CONFEDENCE SERVE OF THE SHEET SPECE LTD

MISCONDERS SERVE CONFEDENCE SERVE OF THE SHEET SHE DESCRIPTION DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
M6061T6S
SHEI BY DS CP SHEET 1 OF 1 01.06.08 DATE 09.07.13 REV. B

NEW ISSUE

MFG. APPR.
APPROVED
DE APPR.
DATE 09

SCALE

09.07.13

CHECKED DRAWN DESIGN

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